

**Supplementary table 1: Weekly number of observed and excess deaths in Japan and 47 prefectures from April through June 2021.**

Prefecture	Week	Observed	Excess deaths	Excess percentage (%)
Japan	Apr 5 to Apr 11, 2021	26703	0–32	0.00–0.12
	Apr 12 to Apr 18, 2021	27700	47–1358	0.18–5.16
	Apr 19 to Apr 25, 2021	27948	619–1962	2.38–7.55
	Apr 26 to May 2, 2021	28030	1209–2449	4.73–9.57
	May 3 to May 9, 2021	27533	1067–2303	4.23–9.13
	May 10 to May 16, 2021	26993	966–2206	3.90–8.90
	May 17 to May 23, 2021	25716	0–1245	0.00–5.09
	May 24 to May 30, 2021	25703	203–1459	0.84–6.02
	May 31 to Jun 6, 2021	26618	1431–2587	5.95–10.77
	Jun 7 to Jun 13, 2021	25995	983–2107	4.12–8.82
	Jun 14 to Jun 20, 2021	24958	0–1137	0.00–4.77
	Jun 21 to Jun 27, 2021	24543	0–741	0.00–3.11
Hokkaido	Apr 5 to Apr 11, 2021	1276	0–25	0.00–2.00
	Apr 12 to Apr 18, 2021	1280	0–45	0.00–3.64
	Apr 19 to Apr 25, 2021	1303	0–72	0.00–5.85
	Apr 26 to May 2, 2021	1329	36–114	2.96–9.38
	May 3 to May 9, 2021	1316	31–108	2.57–8.94
	May 10 to May 16, 2021	1310	30–109	2.50–9.08
	May 17 to May 23, 2021	1383	106–183	8.83–15.25
	May 24 to May 30, 2021	1380	117–192	9.85–16.16
	May 31 to Jun 6, 2021	1340	78–155	6.58–13.08
	Jun 7 to Jun 13, 2021	1405	157–232	13.38–19.78
	Jun 14 to Jun 20, 2021	1307	50–130	4.25–11.05
	Jun 21 to Jun 27, 2021	1304	47–126	3.99–10.70
Aomori	Apr 5 to Apr 11, 2021	364	0–9	0.00–2.54
	Apr 12 to Apr 18, 2021	356	0–2	0.00–0.56
	Apr 19 to Apr 25, 2021	347	0–0	0.00–0.00
	Apr 26 to May 2, 2021	364	0–18	0.00–5.20
	May 3 to May 9, 2021	350	0–8	0.00–2.34
	May 10 to May 16, 2021	367	0–33	0.00–9.88
	May 17 to May 23, 2021	361	0–27	0.00–8.08
	May 24 to May 30, 2021	324	0–0	0.00–0.00
	May 31 to Jun 6, 2021	350	0–23	0.00–7.03
	Jun 7 to Jun 13, 2021	359	5–37	1.55–11.49
	Jun 14 to Jun 20, 2021	314	0–0	0.00–0.00
	Jun 21 to Jun 27, 2021	320	0–2	0.00–0.63
Iwate	Apr 5 to Apr 11, 2021	331	0–0	0.00–0.00
	Apr 12 to Apr 18, 2021	320	0–0	0.00–0.00
	Apr 19 to Apr 25, 2021	304	0–0	0.00–0.00

	Apr 26 to May 2, 2021	339	0–11	0.00–3.35
	May 3 to May 9, 2021	340	0–18	0.00–5.59
	May 10 to May 16, 2021	302	0–0	0.00–0.00
	May 17 to May 23, 2021	314	0–1	0.00–0.32
	May 24 to May 30, 2021	286	0–0	0.00–0.00
	May 31 to Jun 6, 2021	335	0–33	0.00–10.93
	Jun 7 to Jun 13, 2021	333	0–33	0.00–11.00
	Jun 14 to Jun 20, 2021	295	0–0	0.00–0.00
	Jun 21 to Jun 27, 2021	275	0–0	0.00–0.00
Miyagi	Apr 5 to Apr 11, 2021	501	0–19	0.00–3.94
	Apr 12 to Apr 18, 2021	552	32–73	6.68–15.24
	Apr 19 to Apr 25, 2021	473	0–1	0.00–0.21
	Apr 26 to May 2, 2021	498	0–27	0.00–5.73
	May 3 to May 9, 2021	484	0–20	0.00–4.31
	May 10 to May 16, 2021	438	0–0	0.00–0.00
	May 17 to May 23, 2021	440	0–0	0.00–0.00
	May 24 to May 30, 2021	455	0–15	0.00–3.41
	May 31 to Jun 6, 2021	443	0–8	0.00–1.84
	Jun 7 to Jun 13, 2021	466	0–31	0.00–7.13
	Jun 14 to Jun 20, 2021	459	0–30	0.00–6.99
	Jun 21 to Jun 27, 2021	432	0–5	0.00–1.17
Akita	Apr 5 to Apr 11, 2021	305	0–3	0.00–0.99
	Apr 12 to Apr 18, 2021	319	0–15	0.00–4.93
	Apr 19 to Apr 25, 2021	282	0–0	0.00–0.00
	Apr 26 to May 2, 2021	331	7–37	2.38–12.59
	May 3 to May 9, 2021	333	15–44	5.19–15.22
	May 10 to May 16, 2021	284	0–0	0.00–0.00
	May 17 to May 23, 2021	301	0–21	0.00–7.50
	May 24 to May 30, 2021	271	0–0	0.00–0.00
	May 31 to Jun 6, 2021	317	13–42	4.73–15.27
	Jun 7 to Jun 13, 2021	280	0–10	0.00–3.70
	Jun 14 to Jun 20, 2021	249	0–0	0.00–0.00
	Jun 21 to Jun 27, 2021	247	0–0	0.00–0.00
Yamagata	Apr 5 to Apr 11, 2021	262	0–0	0.00–0.00
	Apr 12 to Apr 18, 2021	311	0–15	0.00–5.07
	Apr 19 to Apr 25, 2021	316	0–21	0.00–7.12
	Apr 26 to May 2, 2021	271	0–0	0.00–0.00
	May 3 to May 9, 2021	302	0–19	0.00–6.71
	May 10 to May 16, 2021	318	7–37	2.49–13.17
	May 17 to May 23, 2021	309	1–31	0.36–11.15
	May 24 to May 30, 2021	297	0–23	0.00–8.39
	May 31 to Jun 6, 2021	309	6–36	2.20–13.19
	Jun 7 to Jun 13, 2021	285	0–14	0.00–5.17

Fukushima	Jun 14 to Jun 20, 2021	237	0–0	0.00–0.00
	Jun 21 to Jun 27, 2021	283	0–13	0.00–4.81
	Apr 5 to Apr 11, 2021	461	0–0	0.00–0.00
	Apr 12 to Apr 18, 2021	490	0–22	0.00–4.70
	Apr 19 to Apr 25, 2021	471	0–9	0.00–1.95
	Apr 26 to May 2, 2021	490	0–38	0.00–8.41
	May 3 to May 9, 2021	466	0–20	0.00–4.48
	May 10 to May 16, 2021	460	0–20	0.00–4.55
	May 17 to May 23, 2021	444	0–10	0.00–2.30
	May 24 to May 30, 2021	439	0–8	0.00–1.86
	May 31 to Jun 6, 2021	507	44–86	10.45–20.43
	Jun 7 to Jun 13, 2021	460	0–42	0.00–10.05
	Jun 14 to Jun 20, 2021	423	0–7	0.00–1.68
	Jun 21 to Jun 27, 2021	436	0–19	0.00–4.56
Ibaraki	Apr 5 to Apr 11, 2021	604	0–0	0.00–0.00
	Apr 12 to Apr 18, 2021	676	0–43	0.00–6.79
	Apr 19 to Apr 25, 2021	610	0–0	0.00–0.00
	Apr 26 to May 2, 2021	638	0–23	0.00–3.74
	May 3 to May 9, 2021	625	0–21	0.00–3.48
	May 10 to May 16, 2021	646	0–53	0.00–8.94
	May 17 to May 23, 2021	521	0–0	0.00–0.00
	May 24 to May 30, 2021	592	0–15	0.00–2.60
	May 31 to Jun 6, 2021	606	0–35	0.00–6.13
	Jun 7 to Jun 13, 2021	545	0–0	0.00–0.00
	Jun 14 to Jun 20, 2021	541	0–0	0.00–0.00
	Jun 21 to Jun 27, 2021	585	0–19	0.00–3.36
Tochigi	Apr 5 to Apr 11, 2021	401	0–0	0.00–0.00
	Apr 12 to Apr 18, 2021	450	0–27	0.00–6.38
	Apr 19 to Apr 25, 2021	432	0–18	0.00–4.35
	Apr 26 to May 2, 2021	443	3–43	0.75–10.75
	May 3 to May 9, 2021	438	0–42	0.00–10.61
	May 10 to May 16, 2021	394	0–11	0.00–2.87
	May 17 to May 23, 2021	396	0–22	0.00–5.88
	May 24 to May 30, 2021	412	4–41	1.08–11.05
	May 31 to Jun 6, 2021	420	15–51	4.07–13.82
	Jun 7 to Jun 13, 2021	387	0–22	0.00–6.03
	Jun 14 to Jun 20, 2021	382	0–19	0.00–5.23
	Jun 21 to Jun 27, 2021	365	0–0	0.00–0.00
Gunma	Apr 5 to Apr 11, 2021	443	0–0	0.00–0.00
	Apr 12 to Apr 18, 2021	518	34–78	7.73–17.73
	Apr 19 to Apr 25, 2021	448	0–12	0.00–2.75
	Apr 26 to May 2, 2021	452	0–26	0.00–6.10

	May 3 to May 9, 2021	443	0–18	0.00–4.24
	May 10 to May 16, 2021	454	0–40	0.00–9.66
	May 17 to May 23, 2021	386	0–0	0.00–0.00
	May 24 to May 30, 2021	458	6–50	1.47–12.25
	May 31 to Jun 6, 2021	470	26–68	6.47–16.92
	Jun 7 to Jun 13, 2021	446	8–48	2.01–12.06
	Jun 14 to Jun 20, 2021	424	0–28	0.00–7.07
	Jun 21 to Jun 27, 2021	437	0–40	0.00–10.08
Saitama				
	Apr 5 to Apr 11, 2021	1374	0–4	0.00–0.29
	Apr 12 to Apr 18, 2021	1416	0–67	0.00–4.97
	Apr 19 to Apr 25, 2021	1406	0–75	0.00–5.63
	Apr 26 to May 2, 2021	1515	107–202	8.15–15.38
	May 3 to May 9, 2021	1424	42–133	3.25–10.30
	May 10 to May 16, 2021	1370	6–100	0.47–7.87
	May 17 to May 23, 2021	1329	0–79	0.00–6.32
	May 24 to May 30, 2021	1318	0–80	0.00–6.46
	May 31 to Jun 6, 2021	1340	26–111	2.12–9.03
	Jun 7 to Jun 13, 2021	1304	0–79	0.00–6.45
	Jun 14 to Jun 20, 2021	1292	0–65	0.00–5.30
	Jun 21 to Jun 27, 2021	1253	0–18	0.00–1.46
Chiba				
	Apr 5 to Apr 11, 2021	1288	1–85	0.08–7.07
	Apr 12 to Apr 18, 2021	1262	0–73	0.00–6.14
	Apr 19 to Apr 25, 2021	1203	0–27	0.00–2.30
	Apr 26 to May 2, 2021	1256	26–108	2.26–9.41
	May 3 to May 9, 2021	1228	18–97	1.59–8.58
	May 10 to May 16, 2021	1151	0–39	0.00–3.51
	May 17 to May 23, 2021	1074	0–0	0.00–0.00
	May 24 to May 30, 2021	1114	0–20	0.00–1.83
	May 31 to Jun 6, 2021	1165	0–78	0.00–7.18
	Jun 7 to Jun 13, 2021	1146	0–66	0.00–6.11
	Jun 14 to Jun 20, 2021	1103	0–23	0.00–2.13
	Jun 21 to Jun 27, 2021	1078	0–0	0.00–0.00
Tokyo				
	Apr 5 to Apr 11, 2021	2318	0–0	0.00–0.00
	Apr 12 to Apr 18, 2021	2494	47–186	2.04–8.06
	Apr 19 to Apr 25, 2021	2528	130–264	5.74–11.66
	Apr 26 to May 2, 2021	2499	143–277	6.44–12.47
	May 3 to May 9, 2021	2349	15–153	0.68–6.97
	May 10 to May 16, 2021	2244	0–65	0.00–2.98
	May 17 to May 23, 2021	2196	0–39	0.00–1.81
	May 24 to May 30, 2021	2207	0–74	0.00–3.47
	May 31 to Jun 6, 2021	2317	71–201	3.36–9.50
	Jun 7 to Jun 13, 2021	2287	47–181	2.23–8.59
	Jun 14 to Jun 20, 2021	2198	0–90	0.00–4.27

Kanagawa	Jun 21 to Jun 27, 2021	2087	0–0	0.00–0.00
	Apr 5 to Apr 11, 2021	1668	0–39	0.00–2.39
	Apr 12 to Apr 18, 2021	1703	0–83	0.00–5.12
	Apr 19 to Apr 25, 2021	1689	0–92	0.00–5.76
	Apr 26 to May 2, 2021	1756	81–179	5.14–11.35
	May 3 to May 9, 2021	1711	62–158	3.99–10.17
	May 10 to May 16, 2021	1633	0–95	0.00–6.18
	May 17 to May 23, 2021	1618	5–101	0.33–6.66
	May 24 to May 30, 2021	1598	0–98	0.00–6.53
	May 31 to Jun 6, 2021	1636	49–143	3.28–9.58
	Jun 7 to Jun 13, 2021	1574	3–96	0.20–6.50
	Jun 14 to Jun 20, 2021	1546	0–74	0.00–5.03
	Jun 21 to Jun 27, 2021	1517	0–40	0.00–2.71
Niigata	Apr 5 to Apr 11, 2021	576	0–0	0.00–0.00
	Apr 12 to Apr 18, 2021	614	0–29	0.00–4.96
	Apr 19 to Apr 25, 2021	577	0–0	0.00–0.00
	Apr 26 to May 2, 2021	591	0–19	0.00–3.32
	May 3 to May 9, 2021	572	0–9	0.00–1.60
	May 10 to May 16, 2021	576	0–23	0.00–4.16
	May 17 to May 23, 2021	540	0–0	0.00–0.00
	May 24 to May 30, 2021	557	0–16	0.00–2.96
	May 31 to Jun 6, 2021	607	28–75	5.26–14.10
	Jun 7 to Jun 13, 2021	542	0–19	0.00–3.63
	Jun 14 to Jun 20, 2021	548	0–29	0.00–5.59
	Jun 21 to Jun 27, 2021	547	0–30	0.00–5.80
Toyama	Apr 5 to Apr 11, 2021	279	1–30	0.40–12.05
	Apr 12 to Apr 18, 2021	272	0–23	0.00–9.24
	Apr 19 to Apr 25, 2021	269	0–26	0.00–10.70
	Apr 26 to May 2, 2021	268	0–28	0.00–11.67
	May 3 to May 9, 2021	270	2–32	0.84–13.45
	May 10 to May 16, 2021	236	0–3	0.00–1.29
	May 17 to May 23, 2021	200	0–0	0.00–0.00
	May 24 to May 30, 2021	248	0–17	0.00–7.36
	May 31 to Jun 6, 2021	255	0–27	0.00–11.84
	Jun 7 to Jun 13, 2021	232	0–5	0.00–2.20
	Jun 14 to Jun 20, 2021	228	0–1	0.00–0.44
	Jun 21 to Jun 27, 2021	203	0–0	0.00–0.00
Ishikawa	Apr 5 to Apr 11, 2021	264	0–17	0.00–6.88
	Apr 12 to Apr 18, 2021	281	9–35	3.66–14.23
	Apr 19 to Apr 25, 2021	253	0–9	0.00–3.69
	Apr 26 to May 2, 2021	257	0–18	0.00–7.53
	May 3 to May 9, 2021	284	21–47	8.86–19.83

Fukui	May 10 to May 16, 2021	265	5–31	2.14–13.25
	May 17 to May 23, 2021	237	0–7	0.00–3.04
	May 24 to May 30, 2021	223	0–0	0.00–0.00
	May 31 to Jun 6, 2021	233	0–7	0.00–3.10
	Jun 7 to Jun 13, 2021	243	0–19	0.00–8.48
	Jun 14 to Jun 20, 2021	223	0–0	0.00–0.00
	Jun 21 to Jun 27, 2021	236	0–14	0.00–6.31
	Apr 5 to Apr 11, 2021	189	0–10	0.00–5.59
	Apr 12 to Apr 18, 2021	193	0–14	0.00–7.82
	Apr 19 to Apr 25, 2021	185	0–8	0.00–4.52
	Apr 26 to May 2, 2021	197	0–25	0.00–14.53
	May 3 to May 9, 2021	209	18–42	10.78–25.15
	May 10 to May 16, 2021	174	0–9	0.00–5.45
	May 17 to May 23, 2021	185	0–21	0.00–12.80
Yamanashi	May 24 to May 30, 2021	169	0–7	0.00–4.32
	May 31 to Jun 6, 2021	176	0–15	0.00–9.32
	Jun 7 to Jun 13, 2021	168	0–7	0.00–4.35
	Jun 14 to Jun 20, 2021	170	0–10	0.00–6.25
	Jun 21 to Jun 27, 2021	162	0–3	0.00–1.89
	Apr 5 to Apr 11, 2021	171	0–0	0.00–0.00
	Apr 12 to Apr 18, 2021	189	0–0	0.00–0.00
	Apr 19 to Apr 25, 2021	197	0–12	0.00–6.49
	Apr 26 to May 2, 2021	203	0–20	0.00–10.93
	May 3 to May 9, 2021	202	0–23	0.00–12.85
	May 10 to May 16, 2021	186	0–9	0.00–5.08
	May 17 to May 23, 2021	206	3–29	1.69–16.38
	May 24 to May 30, 2021	176	0–4	0.00–2.33
	May 31 to Jun 6, 2021	188	0–18	0.00–10.59
Nagano	Jun 7 to Jun 13, 2021	172	0–4	0.00–2.38
	Jun 14 to Jun 20, 2021	195	5–29	3.01–17.47
	Jun 21 to Jun 27, 2021	169	0–2	0.00–1.20
	Apr 5 to Apr 11, 2021	494	0–0	0.00–0.00
	Apr 12 to Apr 18, 2021	508	0–15	0.00–3.04
	Apr 19 to Apr 25, 2021	493	0–7	0.00–1.44
	Apr 26 to May 2, 2021	519	0–38	0.00–7.90
	May 3 to May 9, 2021	449	0–0	0.00–0.00
	May 10 to May 16, 2021	493	0–28	0.00–6.02
	May 17 to May 23, 2021	466	0–7	0.00–1.53
	May 24 to May 30, 2021	415	0–0	0.00–0.00
	May 31 to Jun 6, 2021	464	0–23	0.00–5.22
	Jun 7 to Jun 13, 2021	493	17–57	3.90–13.07
	Jun 14 to Jun 20, 2021	471	3–40	0.70–9.28
	Jun 21 to Jun 27, 2021	458	0–27	0.00–6.26

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Gifu				
	Apr 5 to Apr 11, 2021	436	0-0	0.00-0.00
	Apr 12 to Apr 18, 2021	441	0-5	0.00-1.15
	Apr 19 to Apr 25, 2021	464	0-34	0.00-7.91
	Apr 26 to May 2, 2021	433	0-15	0.00-3.59
	May 3 to May 9, 2021	444	0-33	0.00-8.03
	May 10 to May 16, 2021	452	5-46	1.23-11.33
	May 17 to May 23, 2021	463	21-63	5.25-15.75
	May 24 to May 30, 2021	391	0-0	0.00-0.00
	May 31 to Jun 6, 2021	454	17-59	4.30-14.94
	Jun 7 to Jun 13, 2021	448	17-57	4.35-14.58
	Jun 14 to Jun 20, 2021	427	0-36	0.00-9.21
	Jun 21 to Jun 27, 2021	384	0-0	0.00-0.00
Shizuoka				
	Apr 5 to Apr 11, 2021	857	0-34	0.00-4.13
	Apr 12 to Apr 18, 2021	810	0-1	0.00-0.12
	Apr 19 to Apr 25, 2021	812	0-16	0.00-2.01
	Apr 26 to May 2, 2021	846	0-64	0.00-8.18
	May 3 to May 9, 2021	782	0-14	0.00-1.82
	May 10 to May 16, 2021	764	0-7	0.00-0.92
	May 17 to May 23, 2021	783	0-42	0.00-5.67
	May 24 to May 30, 2021	732	0-0	0.00-0.00
	May 31 to Jun 6, 2021	812	25-87	3.45-12.00
	Jun 7 to Jun 13, 2021	802	21-82	2.92-11.39
	Jun 14 to Jun 20, 2021	788	6-71	0.84-9.90
	Jun 21 to Jun 27, 2021	716	0-0	0.00-0.00
Aichi				
	Apr 5 to Apr 11, 2021	1279	0-0	0.00-0.00
	Apr 12 to Apr 18, 2021	1371	0-13	0.00-0.96
	Apr 19 to Apr 25, 2021	1391	0-50	0.00-3.73
	Apr 26 to May 2, 2021	1419	0-96	0.00-7.26
	May 3 to May 9, 2021	1350	0-46	0.00-3.53
	May 10 to May 16, 2021	1451	87-180	6.85-14.16
	May 17 to May 23, 2021	1252	0-0	0.00-0.00
	May 24 to May 30, 2021	1332	0-96	0.00-7.77
	May 31 to Jun 6, 2021	1399	84-174	6.86-14.20
	Jun 7 to Jun 13, 2021	1345	30-121	2.45-9.89
	Jun 14 to Jun 20, 2021	1339	33-122	2.71-10.02
	Jun 21 to Jun 27, 2021	1340	37-129	3.06-10.65
Mie				
	Apr 5 to Apr 11, 2021	397	0-0	0.00-0.00
	Apr 12 to Apr 18, 2021	414	0-15	0.00-3.76
	Apr 19 to Apr 25, 2021	407	0-19	0.00-4.90
	Apr 26 to May 2, 2021	433	16-53	4.21-13.95
	May 3 to May 9, 2021	396	0-22	0.00-5.88
	May 10 to May 16, 2021	409	2-39	0.54-10.54
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	May 17 to May 23, 2021	414	15–52	4.14–14.36
	May 24 to May 30, 2021	352	0–0	0.00–0.00
	May 31 to Jun 6, 2021	399	3–39	0.83–10.83
	Jun 7 to Jun 13, 2021	412	17–53	4.74–14.76
	Jun 14 to Jun 20, 2021	385	0–29	0.00–8.15
	Jun 21 to Jun 27, 2021	400	8–46	2.26–12.99
Shiga	Apr 5 to Apr 11, 2021	283	0–28	0.00–10.98
	Apr 12 to Apr 18, 2021	283	1–30	0.40–11.86
	Apr 19 to Apr 25, 2021	246	0–0	0.00–0.00
	Apr 26 to May 2, 2021	284	11–40	4.51–16.39
	May 3 to May 9, 2021	273	4–33	1.67–13.75
	May 10 to May 16, 2021	252	0–18	0.00–7.69
	May 17 to May 23, 2021	250	0–20	0.00–8.70
	May 24 to May 30, 2021	260	5–33	2.20–14.54
	May 31 to Jun 6, 2021	261	8–36	3.56–16.00
	Jun 7 to Jun 13, 2021	262	11–38	4.91–16.96
	Jun 14 to Jun 20, 2021	248	0–25	0.00–11.21
	Jun 21 to Jun 27, 2021	249	0–26	0.00–11.66
Kyoto	Apr 5 to Apr 11, 2021	528	0–0	0.00–0.00
	Apr 12 to Apr 18, 2021	533	0–11	0.00–2.11
	Apr 19 to Apr 25, 2021	559	0–45	0.00–8.75
	Apr 26 to May 2, 2021	553	0–44	0.00–8.64
	May 3 to May 9, 2021	564	16–61	3.18–12.13
	May 10 to May 16, 2021	528	0–37	0.00–7.54
	May 17 to May 23, 2021	484	0–1	0.00–0.21
	May 24 to May 30, 2021	510	0–33	0.00–6.92
	May 31 to Jun 6, 2021	510	0–37	0.00–7.82
	Jun 7 to Jun 13, 2021	551	43–86	9.25–18.49
	Jun 14 to Jun 20, 2021	496	0–31	0.00–6.67
	Jun 21 to Jun 27, 2021	497	0–32	0.00–6.88
Osaka	Apr 5 to Apr 11, 2021	1868	0–69	0.00–3.84
	Apr 12 to Apr 18, 2021	1873	0–92	0.00–5.17
	Apr 19 to Apr 25, 2021	2127	258–373	14.71–21.27
	Apr 26 to May 2, 2021	2062	221–335	12.80–19.40
	May 3 to May 9, 2021	2131	315–423	18.44–24.77
	May 10 to May 16, 2021	2064	264–376	15.64–22.27
	May 17 to May 23, 2021	1907	135–241	8.10–14.47
	May 24 to May 30, 2021	1829	70–178	4.24–10.78
	May 31 to Jun 6, 2021	1921	176–281	10.73–17.13
	Jun 7 to Jun 13, 2021	1817	88–190	5.41–11.68
	Jun 14 to Jun 20, 2021	1649	0–25	0.00–1.54
	Jun 21 to Jun 27, 2021	1685	0–46	0.00–2.81
Hyogo				



	Apr 5 to Apr 11, 2021	1162	0–27	0.00–2.38
	Apr 12 to Apr 18, 2021	1217	11–94	0.98–8.37
	Apr 19 to Apr 25, 2021	1263	81–164	7.37–14.92
	Apr 26 to May 2, 2021	1346	187–268	17.35–24.86
	May 3 to May 9, 2021	1326	180–261	16.90–24.51
	May 10 to May 16, 2021	1277	145–223	13.76–21.16
	May 17 to May 23, 2021	1232	107–187	10.24–17.89
	May 24 to May 30, 2021	1186	76–157	7.39–15.26
	May 31 to Jun 6, 2021	1133	37–114	3.63–11.19
	Jun 7 to Jun 13, 2021	1105	15–89	1.48–8.76
	Jun 14 to Jun 20, 2021	1003	0–0	0.00–0.00
	Jun 21 to Jun 27, 2021	1053	0–27	0.00–2.63
Nara	Apr 5 to Apr 11, 2021	272	0–0	0.00–0.00
	Apr 12 to Apr 18, 2021	306	0–22	0.00–7.75
	Apr 19 to Apr 25, 2021	326	14–45	4.98–16.01
	Apr 26 to May 2, 2021	291	0–14	0.00–5.05
	May 3 to May 9, 2021	267	0–0	0.00–0.00
	May 10 to May 16, 2021	302	4–32	1.48–11.85
	May 17 to May 23, 2021	266	0–1	0.00–0.38
	May 24 to May 30, 2021	282	0–20	0.00–7.63
	May 31 to Jun 6, 2021	260	0–0	0.00–0.00
	Jun 7 to Jun 13, 2021	277	0–21	0.00–8.20
	Jun 14 to Jun 20, 2021	283	2–29	0.79–11.42
	Jun 21 to Jun 27, 2021	239	0–0	0.00–0.00
Wakayama	Apr 5 to Apr 11, 2021	236	0–0	0.00–0.00
	Apr 12 to Apr 18, 2021	249	0–6	0.00–2.47
	Apr 19 to Apr 25, 2021	258	0–20	0.00–8.40
	Apr 26 to May 2, 2021	242	0–7	0.00–2.98
	May 3 to May 9, 2021	249	0–21	0.00–9.21
	May 10 to May 16, 2021	227	0–6	0.00–2.71
	May 17 to May 23, 2021	209	0–0	0.00–0.00
	May 24 to May 30, 2021	220	0–5	0.00–2.33
	May 31 to Jun 6, 2021	248	6–33	2.79–15.35
	Jun 7 to Jun 13, 2021	253	13–39	6.07–18.22
	Jun 14 to Jun 20, 2021	209	0–0	0.00–0.00
	Jun 21 to Jun 27, 2021	209	0–0	0.00–0.00
Tottori	Apr 5 to Apr 11, 2021	139	0–0	0.00–0.00
	Apr 12 to Apr 18, 2021	152	0–14	0.00–10.14
	Apr 19 to Apr 25, 2021	141	0–6	0.00–4.44
	Apr 26 to May 2, 2021	126	0–0	0.00–0.00
	May 3 to May 9, 2021	150	0–18	0.00–13.64
	May 10 to May 16, 2021	155	6–25	4.62–19.23
	May 17 to May 23, 2021	130	0–2	0.00–1.56

Shimane	May 24 to May 30, 2021	133	0–8	0.00–6.40
	May 31 to Jun 6, 2021	125	0–1	0.00–0.81
	Jun 7 to Jun 13, 2021	162	20–39	16.26–31.71
	Jun 14 to Jun 20, 2021	139	0–16	0.00–13.01
	Jun 21 to Jun 27, 2021	127	0–5	0.00–4.10
	Apr 5 to Apr 11, 2021	160	0–0	0.00–0.00
	Apr 12 to Apr 18, 2021	220	10–34	5.38–18.28
	Apr 19 to Apr 25, 2021	190	0–5	0.00–2.70
	Apr 26 to May 2, 2021	190	0–9	0.00–4.97
	May 3 to May 9, 2021	197	0–22	0.00–12.57
	May 10 to May 16, 2021	178	0–7	0.00–4.09
	May 17 to May 23, 2021	179	0–12	0.00–7.19
	May 24 to May 30, 2021	175	0–10	0.00–6.06
	May 31 to Jun 6, 2021	178	0–17	0.00–10.56
	Jun 7 to Jun 13, 2021	172	0–11	0.00–6.83
Okayama	Jun 14 to Jun 20, 2021	177	0–18	0.00–11.32
	Jun 21 to Jun 27, 2021	140	0–0	0.00–0.00
	Apr 5 to Apr 11, 2021	414	0–0	0.00–0.00
	Apr 12 to Apr 18, 2021	415	0–4	0.00–0.97
	Apr 19 to Apr 25, 2021	440	0–32	0.00–7.84
	Apr 26 to May 2, 2021	428	0–24	0.00–5.94
	May 3 to May 9, 2021	420	0–21	0.00–5.26
	May 10 to May 16, 2021	461	26–65	6.57–16.41
	May 17 to May 23, 2021	406	0–16	0.00–4.10
	May 24 to May 30, 2021	423	1–40	0.26–10.44
	May 31 to Jun 6, 2021	430	14–53	3.71–14.06
	Jun 7 to Jun 13, 2021	403	0–27	0.00–7.18
	Jun 14 to Jun 20, 2021	391	0–16	0.00–4.27
	Jun 21 to Jun 27, 2021	392	0–21	0.00–5.66
Hiroshima	Apr 5 to Apr 11, 2021	611	0–20	0.00–3.38
	Apr 12 to Apr 18, 2021	596	0–12	0.00–2.05
	Apr 19 to Apr 25, 2021	632	4–60	0.70–10.49
	Apr 26 to May 2, 2021	611	0–46	0.00–8.14
	May 3 to May 9, 2021	624	18–70	3.25–12.64
	May 10 to May 16, 2021	606	6–57	1.09–10.38
	May 17 to May 23, 2021	578	0–40	0.00–7.43
	May 24 to May 30, 2021	547	0–18	0.00–3.40
	May 31 to Jun 6, 2021	578	1–55	0.19–10.52
	Jun 7 to Jun 13, 2021	559	0–36	0.00–6.88
	Jun 14 to Jun 20, 2021	560	0–37	0.00–7.07
	Jun 21 to Jun 27, 2021	560	0–37	0.00–7.07
Yamaguchi	Apr 5 to Apr 11, 2021	340	0–0	0.00–0.00

	Apr 12 to Apr 18, 2021	377	0–23	0.00–6.50
	Apr 19 to Apr 25, 2021	390	4–40	1.14–11.43
	Apr 26 to May 2, 2021	388	7–41	2.02–11.82
	May 3 to May 9, 2021	365	0–24	0.00–7.04
	May 10 to May 16, 2021	321	0–0	0.00–0.00
	May 17 to May 23, 2021	365	0–30	0.00–8.96
	May 24 to May 30, 2021	362	0–34	0.00–10.37
	May 31 to Jun 6, 2021	389	34–67	10.56–20.81
	Jun 7 to Jun 13, 2021	331	0–12	0.00–3.76
	Jun 14 to Jun 20, 2021	339	0–24	0.00–7.62
	Jun 21 to Jun 27, 2021	309	0–0	0.00–0.00
Tokushima				
	Apr 5 to Apr 11, 2021	203	0–12	0.00–6.28
	Apr 12 to Apr 18, 2021	188	0–0	0.00–0.00
	Apr 19 to Apr 25, 2021	245	36–61	19.57–33.15
	Apr 26 to May 2, 2021	196	0–17	0.00–9.50
	May 3 to May 9, 2021	208	7–31	3.95–17.51
	May 10 to May 16, 2021	217	15–39	8.43–21.91
	May 17 to May 23, 2021	174	0–2	0.00–1.16
	May 24 to May 30, 2021	172	0–2	0.00–1.18
	May 31 to Jun 6, 2021	171	0–4	0.00–2.40
	Jun 7 to Jun 13, 2021	177	0–12	0.00–7.27
	Jun 14 to Jun 20, 2021	203	11–35	6.55–20.83
	Jun 21 to Jun 27, 2021	177	0–10	0.00–5.99
Kagawa				
	Apr 5 to Apr 11, 2021	227	0–0	0.00–0.00
	Apr 12 to Apr 18, 2021	252	0–14	0.00–5.88
	Apr 19 to Apr 25, 2021	222	0–0	0.00–0.00
	Apr 26 to May 2, 2021	253	0–24	0.00–10.48
	May 3 to May 9, 2021	228	0–3	0.00–1.33
	May 10 to May 16, 2021	218	0–0	0.00–0.00
	May 17 to May 23, 2021	215	0–0	0.00–0.00
	May 24 to May 30, 2021	218	0–10	0.00–4.81
	May 31 to Jun 6, 2021	201	0–0	0.00–0.00
	Jun 7 to Jun 13, 2021	227	0–17	0.00–8.10
	Jun 14 to Jun 20, 2021	197	0–0	0.00–0.00
	Jun 21 to Jun 27, 2021	190	0–0	0.00–0.00
Ehime				
	Apr 5 to Apr 11, 2021	347	0–3	0.00–0.87
	Apr 12 to Apr 18, 2021	368	0–29	0.00–8.55
	Apr 19 to Apr 25, 2021	373	4–39	1.20–11.68
	Apr 26 to May 2, 2021	374	11–45	3.34–13.68
	May 3 to May 9, 2021	361	3–36	0.92–11.08
	May 10 to May 16, 2021	367	14–48	4.39–15.05
	May 17 to May 23, 2021	299	0–0	0.00–0.00
	May 24 to May 30, 2021	329	0–20	0.00–6.47

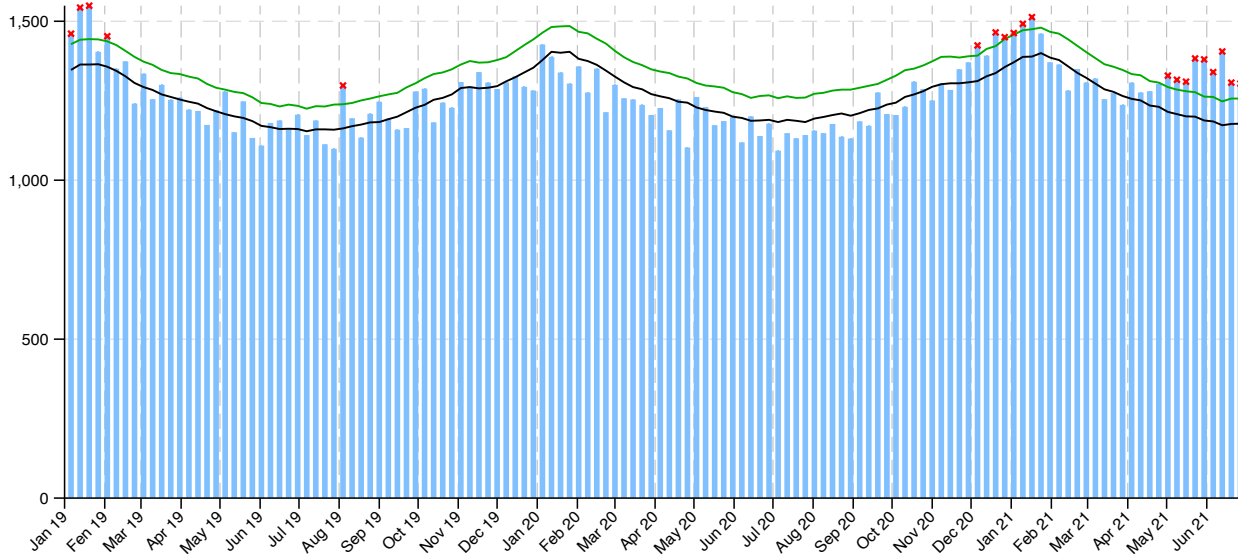
Kochi	May 31 to Jun 6, 2021	348	9–43	2.95–14.10
	Jun 7 to Jun 13, 2021	362	24–56	7.84–18.30
	Jun 14 to Jun 20, 2021	321	0–16	0.00–5.25
	Jun 21 to Jun 27, 2021	332	0–26	0.00–8.50
	Apr 5 to Apr 11, 2021	187	0–0	0.00–0.00
	Apr 12 to Apr 18, 2021	194	0–7	0.00–3.74
	Apr 19 to Apr 25, 2021	203	0–19	0.00–10.33
	Apr 26 to May 2, 2021	193	0–11	0.00–6.04
	May 3 to May 9, 2021	173	0–0	0.00–0.00
	May 10 to May 16, 2021	190	0–13	0.00–7.34
	May 17 to May 23, 2021	190	0–16	0.00–9.20
	May 24 to May 30, 2021	198	1–26	0.58–15.12
	May 31 to Jun 6, 2021	184	0–13	0.00–7.60
	Jun 7 to Jun 13, 2021	172	0–3	0.00–1.78
	Jun 14 to Jun 20, 2021	167	0–0	0.00–0.00
	Jun 21 to Jun 27, 2021	158	0–0	0.00–0.00
Fukuoka	Apr 5 to Apr 11, 2021	1001	0–0	0.00–0.00
	Apr 12 to Apr 18, 2021	1057	0–23	0.00–2.22
	Apr 19 to Apr 25, 2021	1153	59–133	5.78–13.04
	Apr 26 to May 2, 2021	1092	12–85	1.19–8.44
	May 3 to May 9, 2021	1072	18–85	1.82–8.61
	May 10 to May 16, 2021	1089	45–115	4.62–11.81
	May 17 to May 23, 2021	1016	0–54	0.00–5.61
	May 24 to May 30, 2021	1038	12–84	1.26–8.81
	May 31 to Jun 6, 2021	1080	68–136	7.20–14.41
	Jun 7 to Jun 13, 2021	1012	14–77	1.50–8.24
	Jun 14 to Jun 20, 2021	1006	6–71	0.64–7.59
	Jun 21 to Jun 27, 2021	999	0–61	0.00–6.50
Saga	Apr 5 to Apr 11, 2021	186	0–0	0.00–0.00
	Apr 12 to Apr 18, 2021	193	0–7	0.00–3.76
	Apr 19 to Apr 25, 2021	199	0–14	0.00–7.57
	Apr 26 to May 2, 2021	166	0–0	0.00–0.00
	May 3 to May 9, 2021	218	17–40	9.55–22.47
	May 10 to May 16, 2021	191	0–14	0.00–7.91
	May 17 to May 23, 2021	183	0–6	0.00–3.39
	May 24 to May 30, 2021	170	0–0	0.00–0.00
	May 31 to Jun 6, 2021	187	0–13	0.00–7.47
	Jun 7 to Jun 13, 2021	188	0–16	0.00–9.30
	Jun 14 to Jun 20, 2021	189	0–18	0.00–10.53
	Jun 21 to Jun 27, 2021	180	0–10	0.00–5.88
Nagasaki	Apr 5 to Apr 11, 2021	344	0–1	0.00–0.29
	Apr 12 to Apr 18, 2021	326	0–0	0.00–0.00

	Apr 19 to Apr 25, 2021	363	0–28	0.00–8.36
	Apr 26 to May 2, 2021	327	0–1	0.00–0.31
	May 3 to May 9, 2021	370	15–47	4.64–14.55
	May 10 to May 16, 2021	367	17–48	5.33–15.05
	May 17 to May 23, 2021	302	0–0	0.00–0.00
	May 24 to May 30, 2021	374	36–68	11.76–22.22
	May 31 to Jun 6, 2021	327	0–28	0.00–9.36
	Jun 7 to Jun 13, 2021	316	0–18	0.00–6.04
	Jun 14 to Jun 20, 2021	328	0–31	0.00–10.44
	Jun 21 to Jun 27, 2021	297	0–0	0.00–0.00
Kumamoto				
	Apr 5 to Apr 11, 2021	424	0–20	0.00–4.95
	Apr 12 to Apr 18, 2021	447	11–48	2.76–12.03
	Apr 19 to Apr 25, 2021	439	8–44	2.03–11.14
	Apr 26 to May 2, 2021	418	0–26	0.00–6.63
	May 3 to May 9, 2021	419	0–35	0.00–9.11
	May 10 to May 16, 2021	416	1–38	0.26–10.05
	May 17 to May 23, 2021	393	0–19	0.00–5.08
	May 24 to May 30, 2021	402	0–33	0.00–8.94
	May 31 to Jun 6, 2021	394	0–29	0.00–7.95
	Jun 7 to Jun 13, 2021	365	0–3	0.00–0.83
	Jun 14 to Jun 20, 2021	378	0–17	0.00–4.71
	Jun 21 to Jun 27, 2021	384	0–21	0.00–5.79
Oita				
	Apr 5 to Apr 11, 2021	286	0–11	0.00–4.00
	Apr 12 to Apr 18, 2021	324	22–52	8.09–19.12
	Apr 19 to Apr 25, 2021	335	38–67	14.18–25.00
	Apr 26 to May 2, 2021	287	0–20	0.00–7.49
	May 3 to May 9, 2021	284	0–23	0.00–8.81
	May 10 to May 16, 2021	331	43–71	16.54–27.31
	May 17 to May 23, 2021	262	0–4	0.00–1.55
	May 24 to May 30, 2021	267	0–16	0.00–6.37
	May 31 to Jun 6, 2021	317	39–66	15.54–26.29
	Jun 7 to Jun 13, 2021	299	26–52	10.53–21.05
	Jun 14 to Jun 20, 2021	266	0–22	0.00–9.02
	Jun 21 to Jun 27, 2021	256	0–9	0.00–3.64
Miyazaki				
	Apr 5 to Apr 11, 2021	265	0–0	0.00–0.00
	Apr 12 to Apr 18, 2021	256	0–0	0.00–0.00
	Apr 19 to Apr 25, 2021	302	16–43	6.18–16.60
	Apr 26 to May 2, 2021	266	0–8	0.00–3.10
	May 3 to May 9, 2021	281	0–25	0.00–9.77
	May 10 to May 16, 2021	260	0–8	0.00–3.17
	May 17 to May 23, 2021	260	0–10	0.00–4.00
	May 24 to May 30, 2021	243	0–0	0.00–0.00
	May 31 to Jun 6, 2021	242	0–0	0.00–0.00

Kagoshima	Jun 7 to Jun 13, 2021	255	0–11	0.00–4.51
	Jun 14 to Jun 20, 2021	228	0–0	0.00–0.00
	Jun 21 to Jun 27, 2021	243	0–3	0.00–1.25
	Apr 5 to Apr 11, 2021	437	0–35	0.00–8.71
	Apr 12 to Apr 18, 2021	387	0–0	0.00–0.00
	Apr 19 to Apr 25, 2021	438	10–49	2.57–12.60
	Apr 26 to May 2, 2021	379	0–0	0.00–0.00
	May 3 to May 9, 2021	392	0–11	0.00–2.89
	May 10 to May 16, 2021	371	0–0	0.00–0.00
	May 17 to May 23, 2021	385	0–11	0.00–2.94
	May 24 to May 30, 2021	392	0–24	0.00–6.52
	May 31 to Jun 6, 2021	370	0–1	0.00–0.27
	Jun 7 to Jun 13, 2021	382	0–13	0.00–3.52
	Jun 14 to Jun 20, 2021	390	0–19	0.00–5.12
	Jun 21 to Jun 27, 2021	400	0–27	0.00–7.24
Okinawa	Apr 5 to Apr 11, 2021	256	0–14	0.00–5.79
	Apr 12 to Apr 18, 2021	259	0–18	0.00–7.47
	Apr 19 to Apr 25, 2021	258	0–22	0.00–9.32
	Apr 26 to May 2, 2021	244	0–9	0.00–3.83
	May 3 to May 9, 2021	221	0–0	0.00–0.00
	May 10 to May 16, 2021	258	0–24	0.00–10.26
	May 17 to May 23, 2021	239	0–5	0.00–2.14
	May 24 to May 30, 2021	254	0–23	0.00–9.96
	May 31 to Jun 6, 2021	246	0–16	0.00–6.96
	Jun 7 to Jun 13, 2021	238	0–6	0.00–2.59
	Jun 14 to Jun 20, 2021	268	8–35	3.43–15.02
	Jun 21 to Jun 27, 2021	256	0–20	0.00–8.47

**Supplementary figure 1: Weekly observed and 95% upper bound of the expected weekly number of deaths in 47 prefectures from January 2019 through June 2021.**

Number of deaths



Observed



Expected

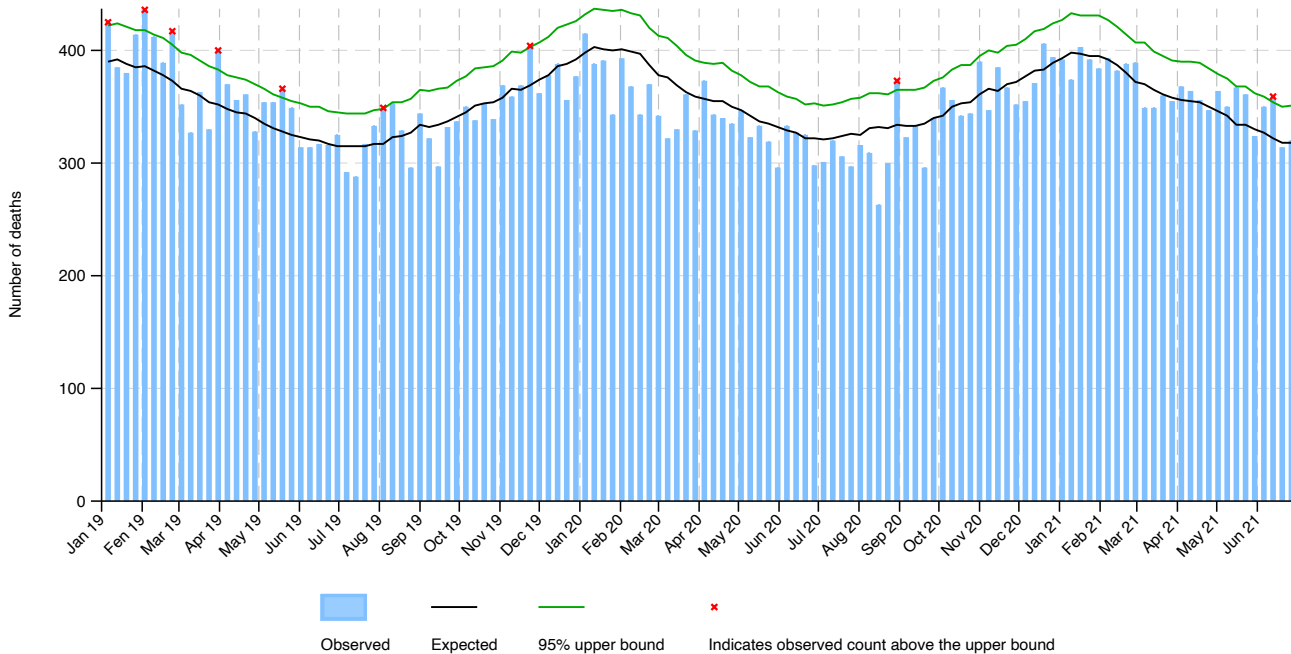


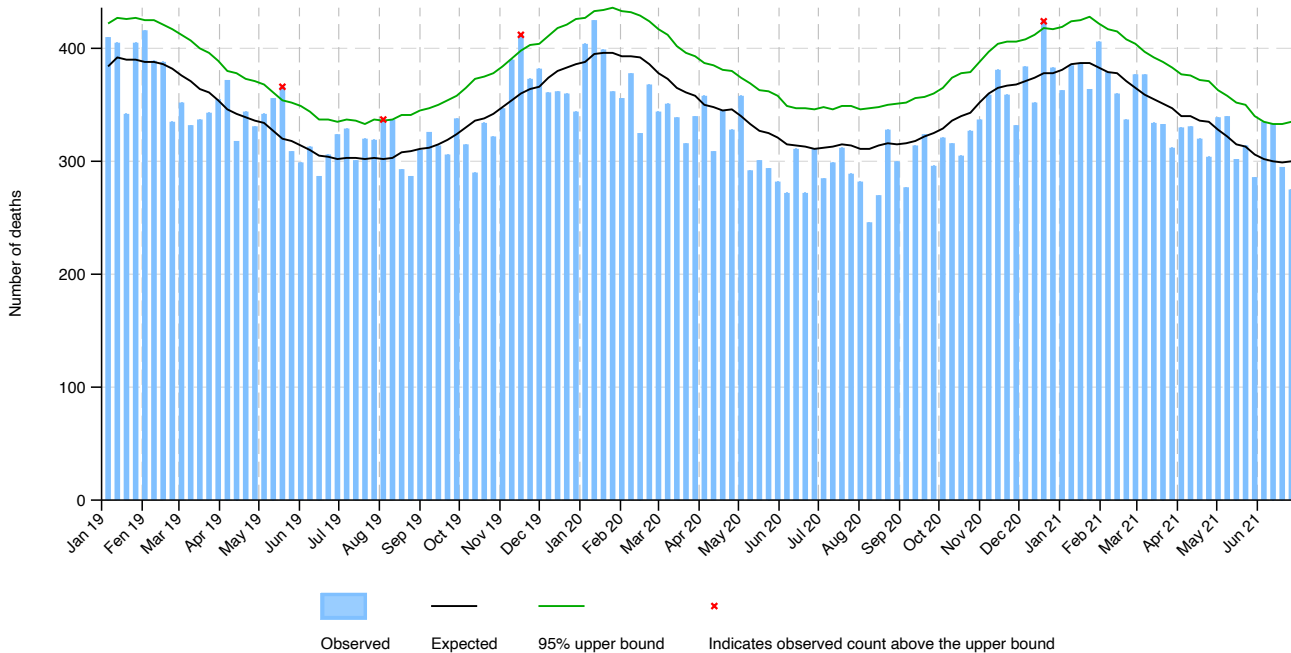
95% upper bound

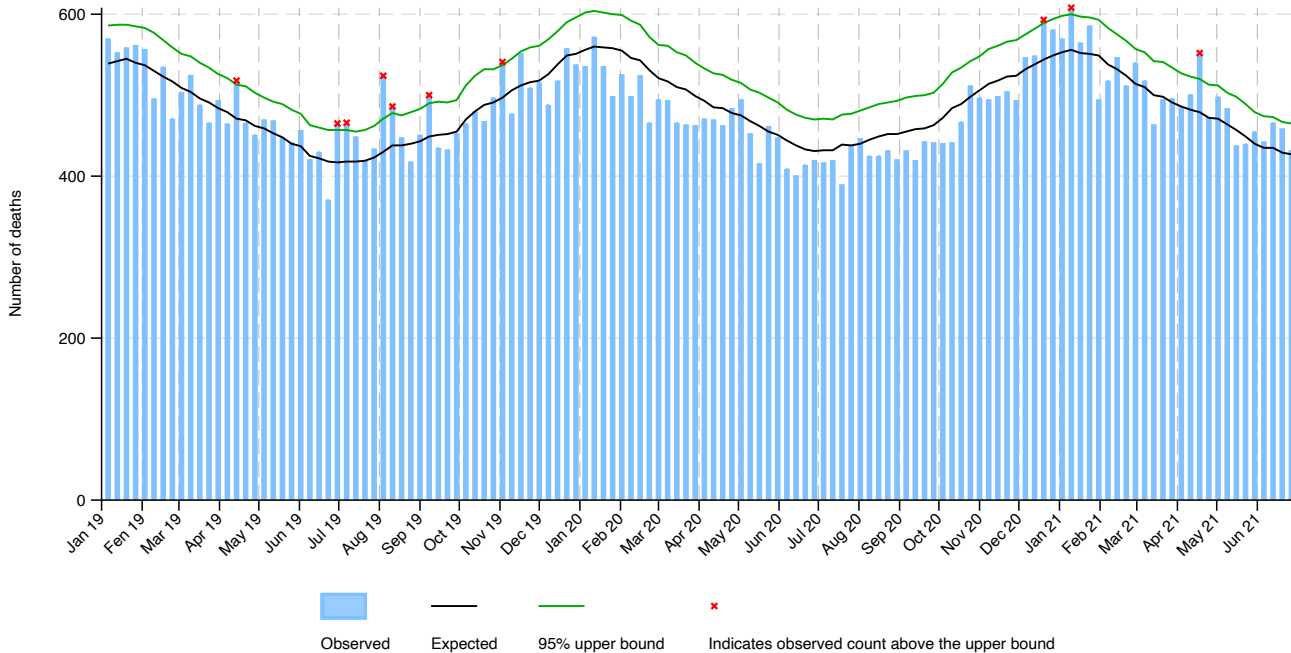


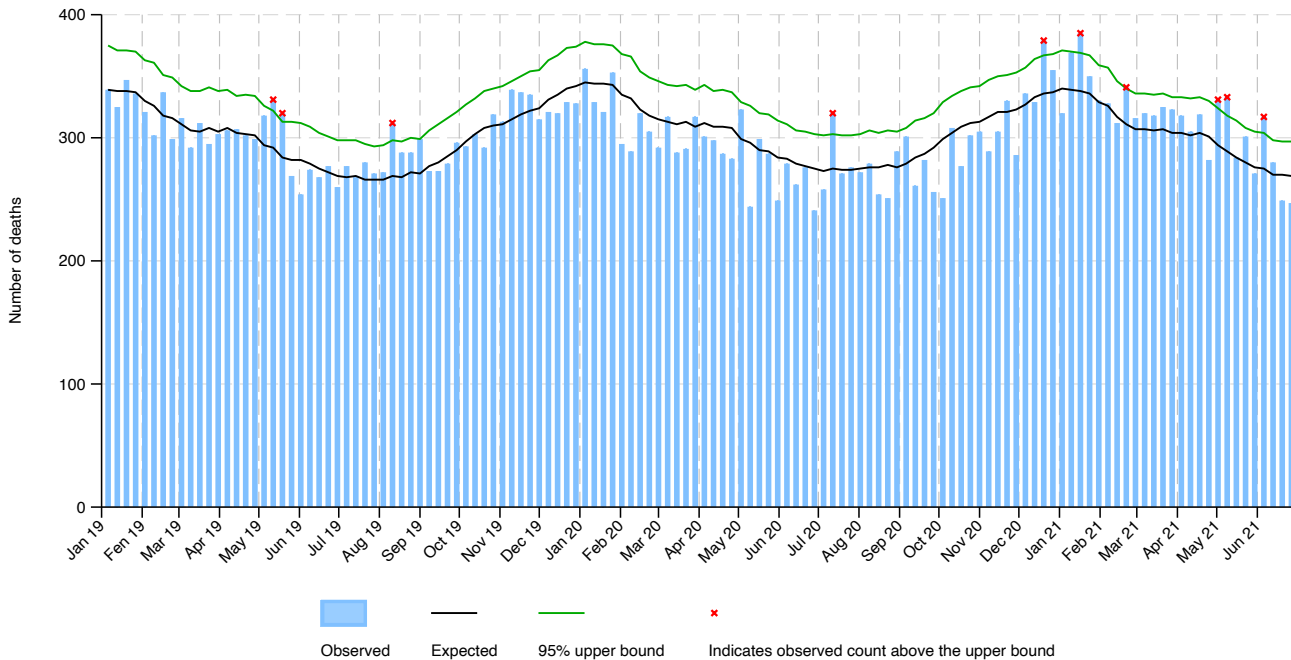
Indicates observed count above the upper bound

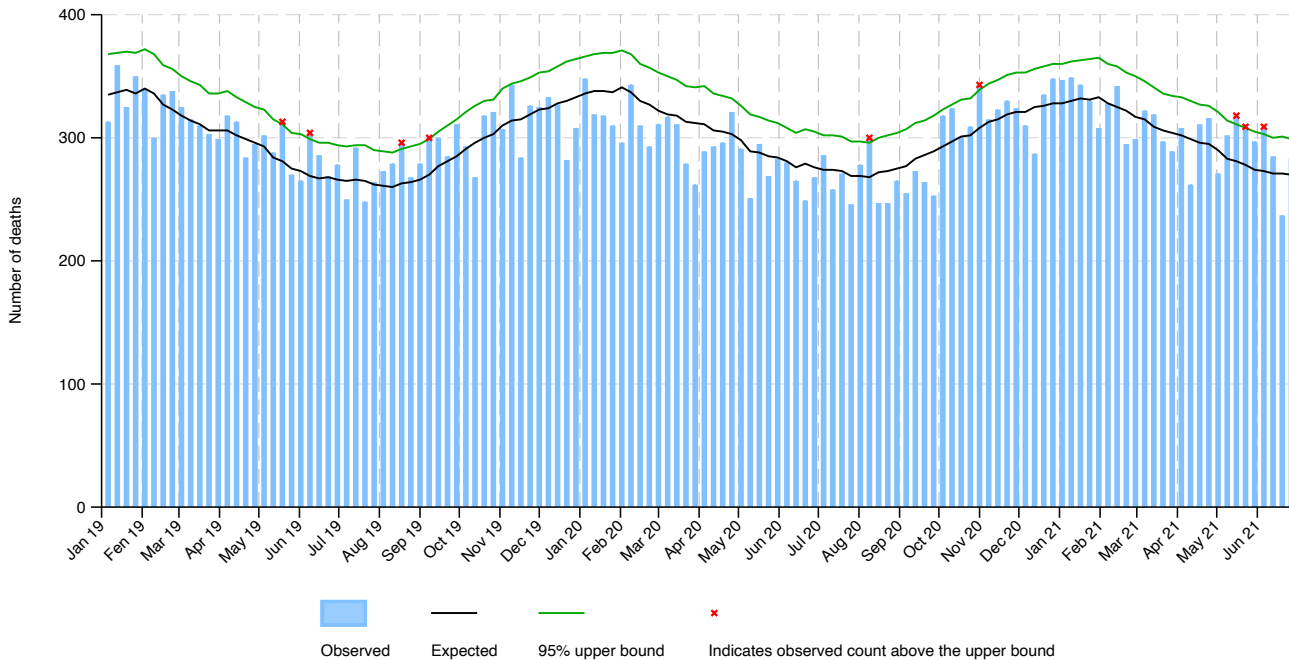


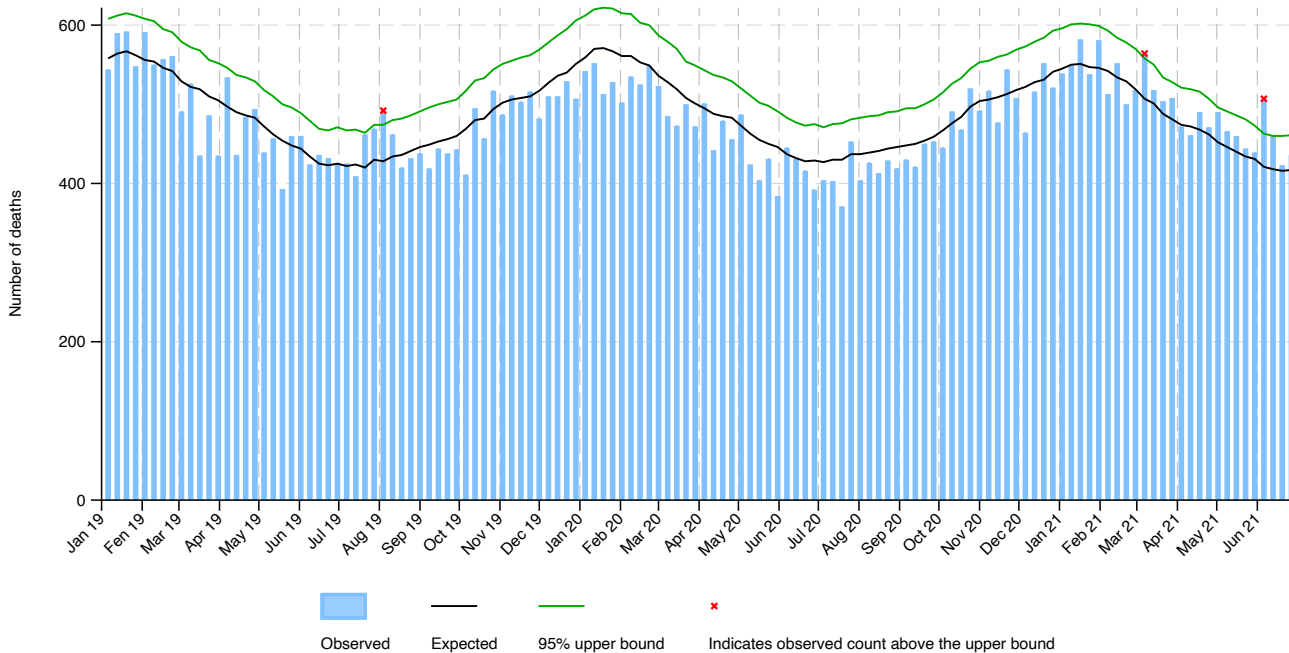


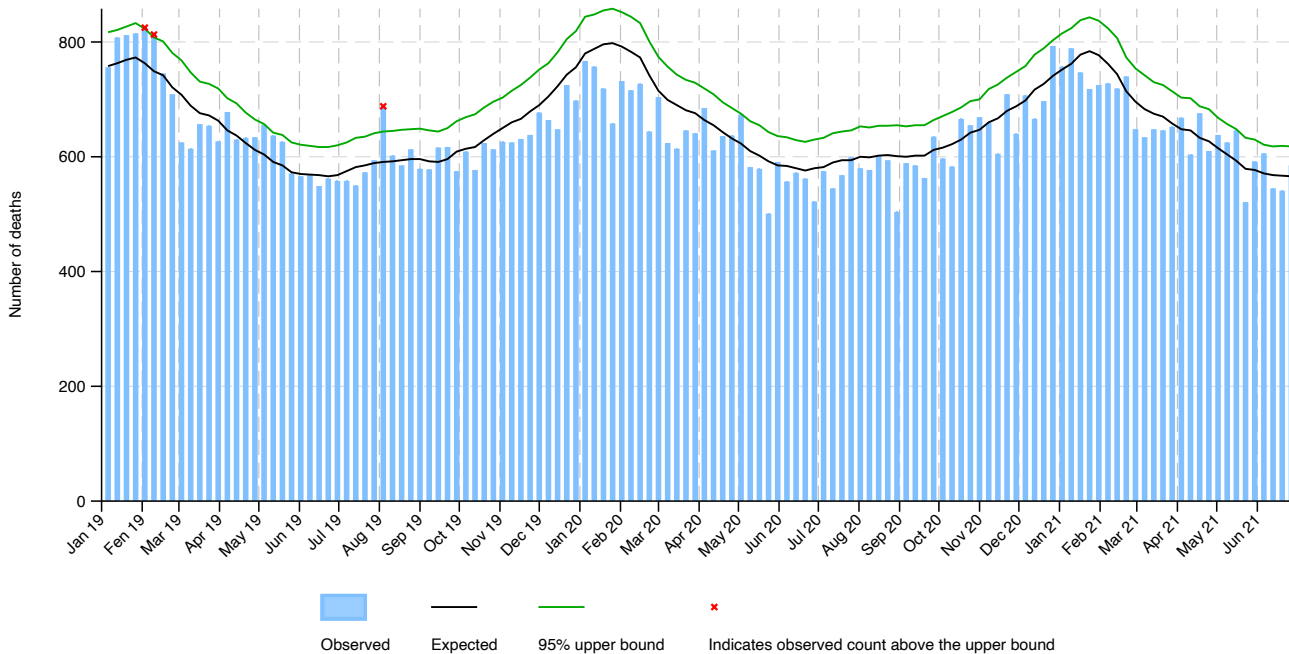


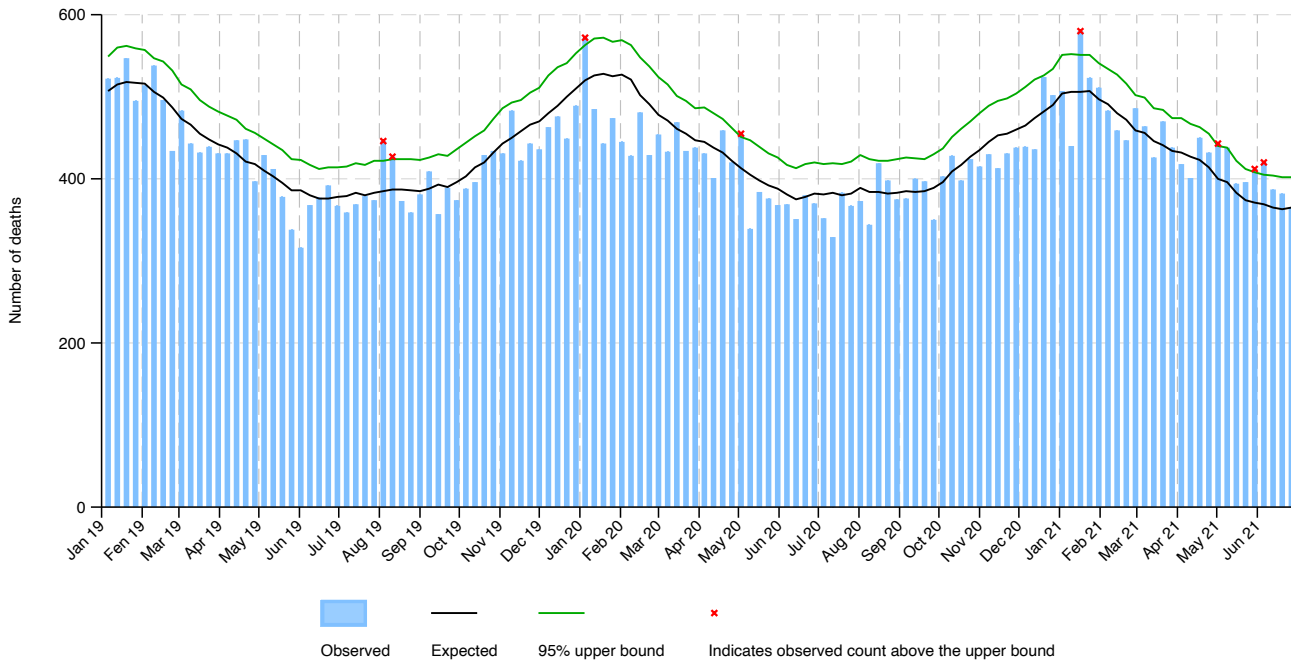




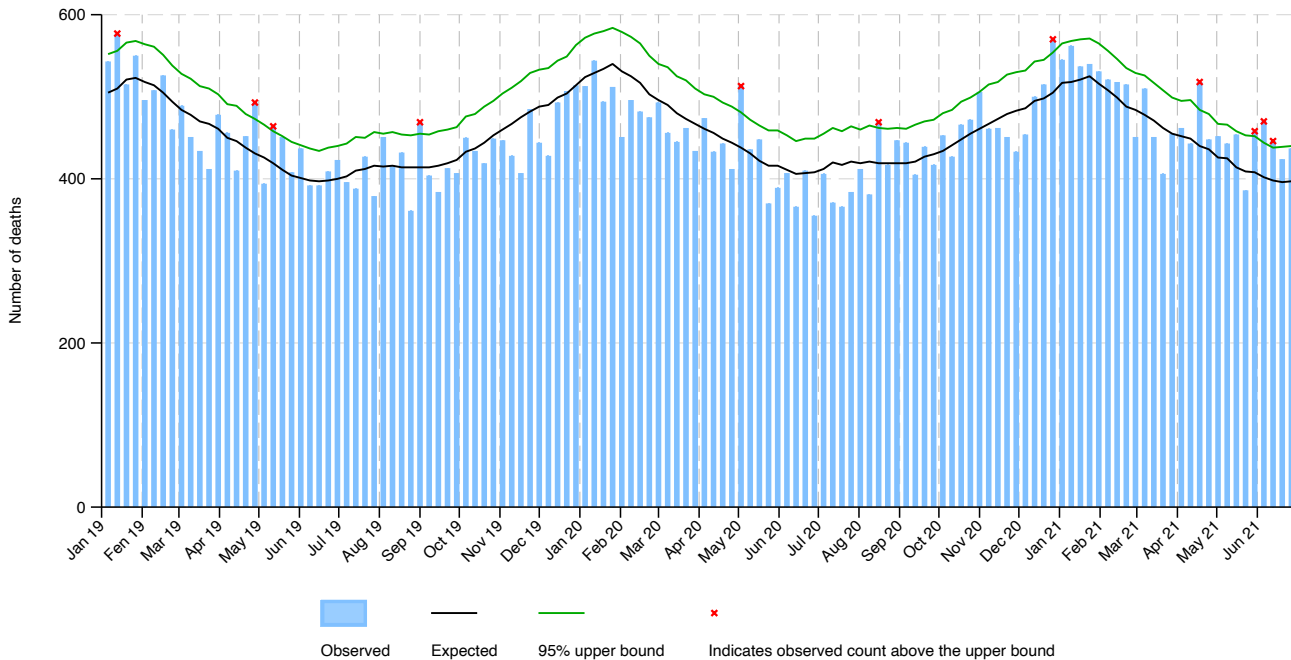


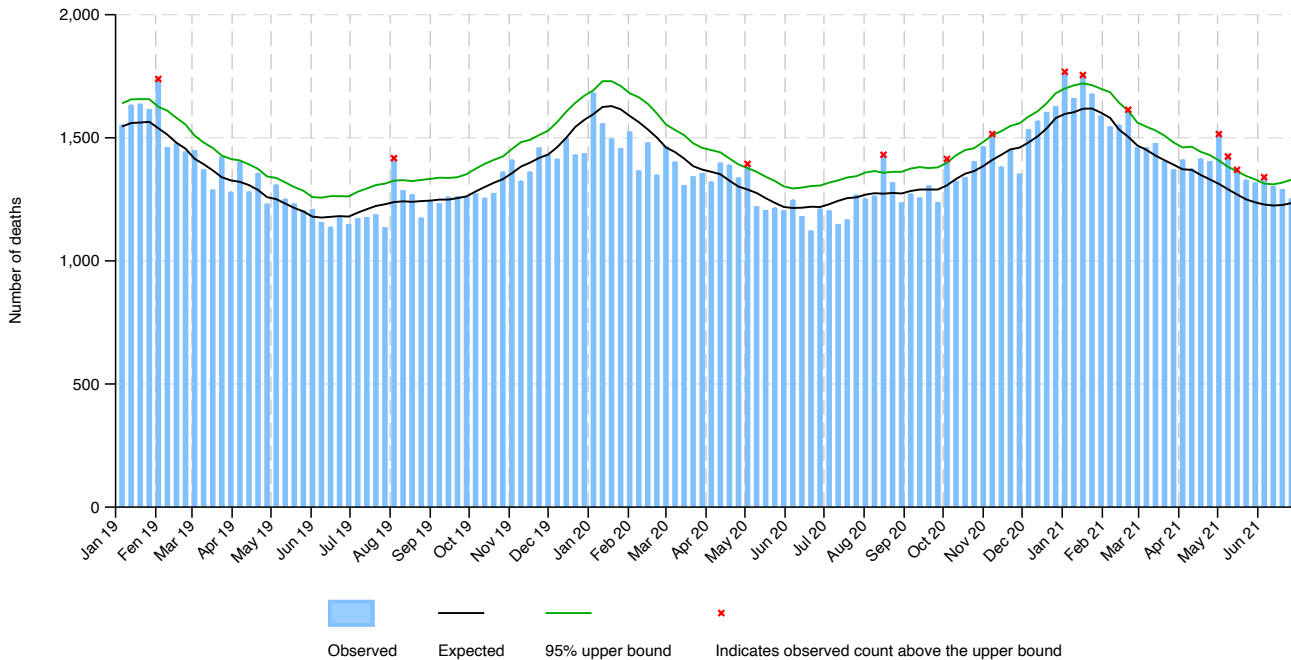


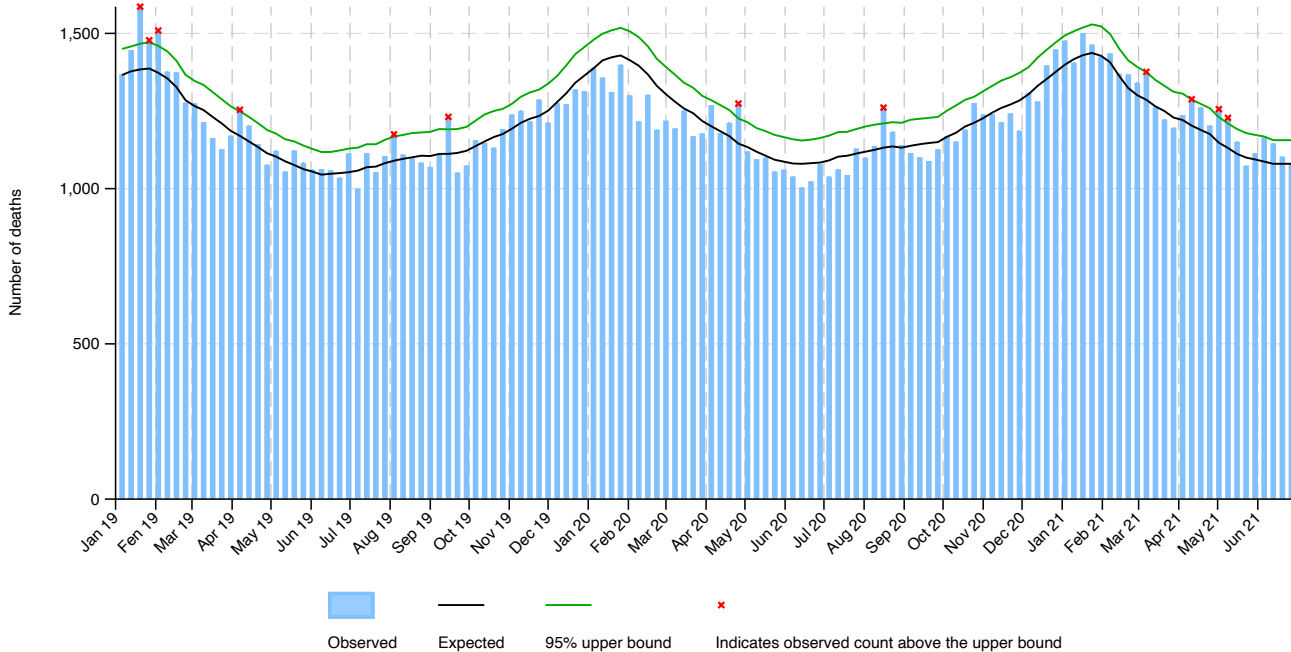


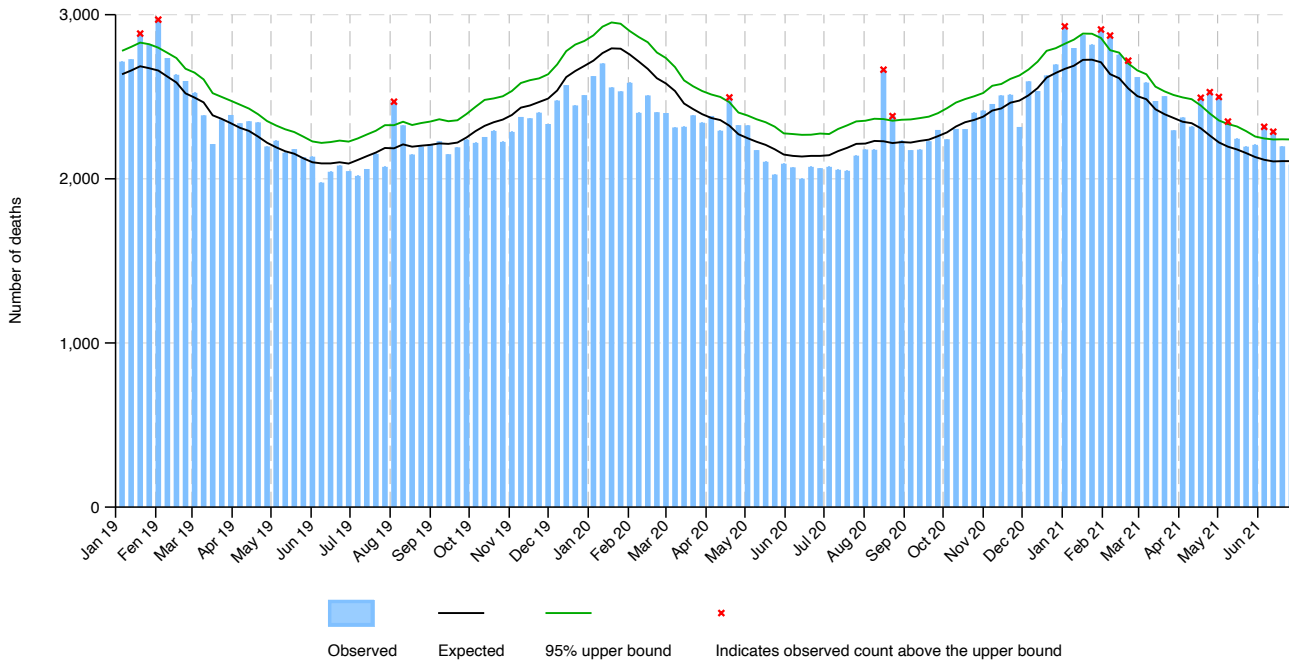




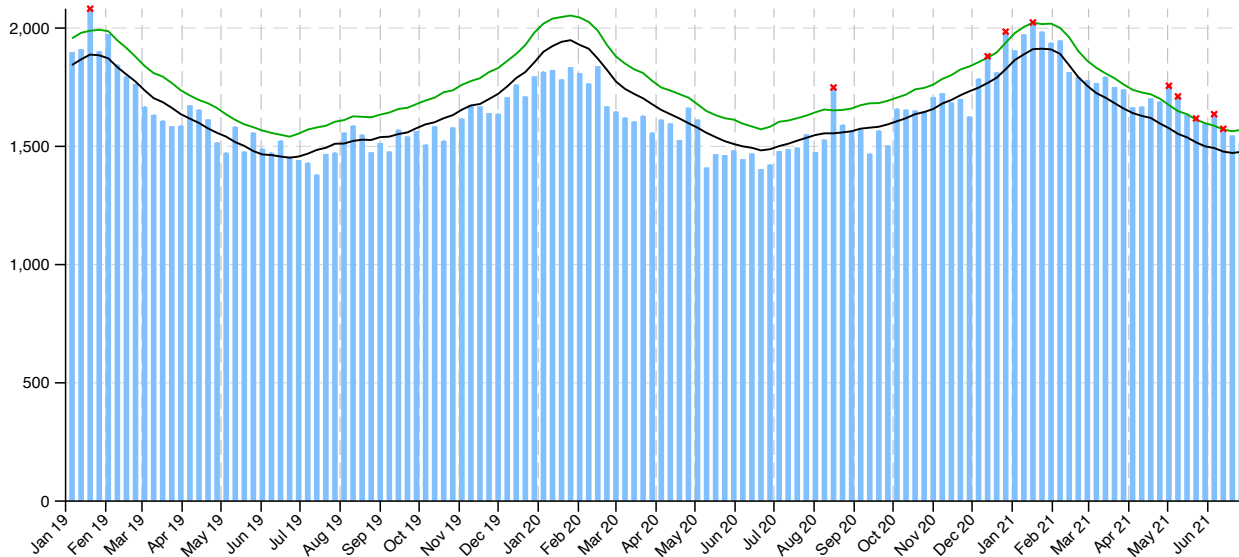








Number of deaths



Observed



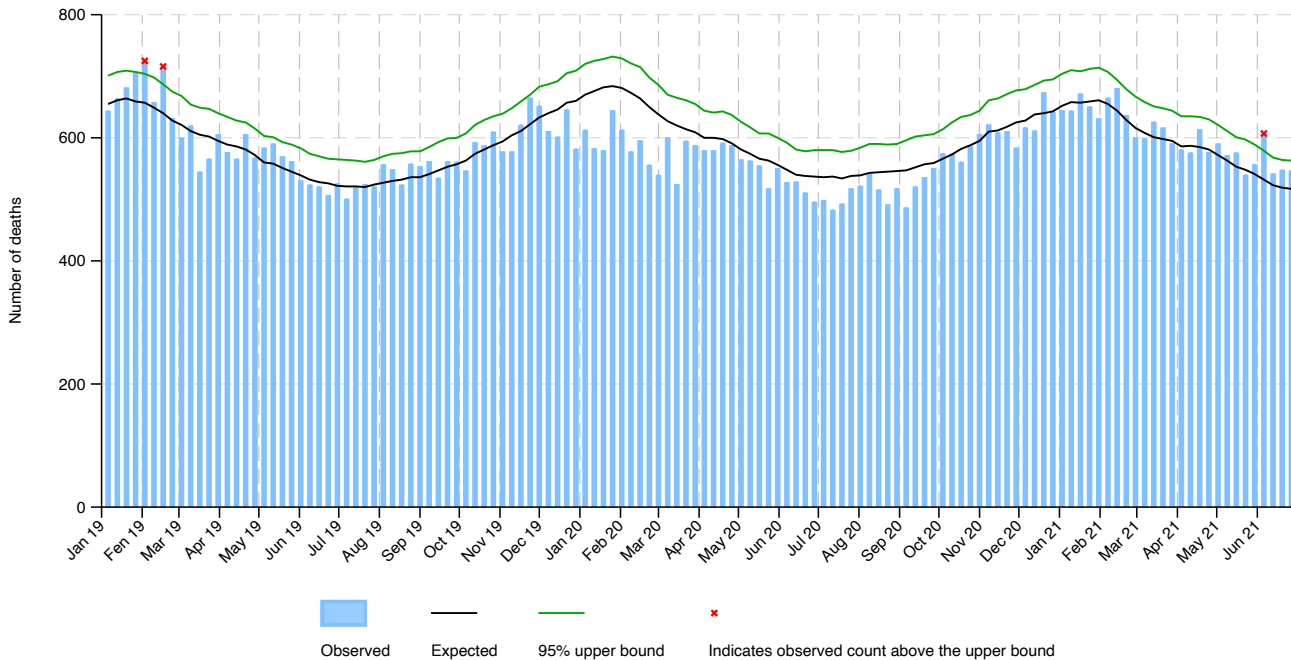
Expected

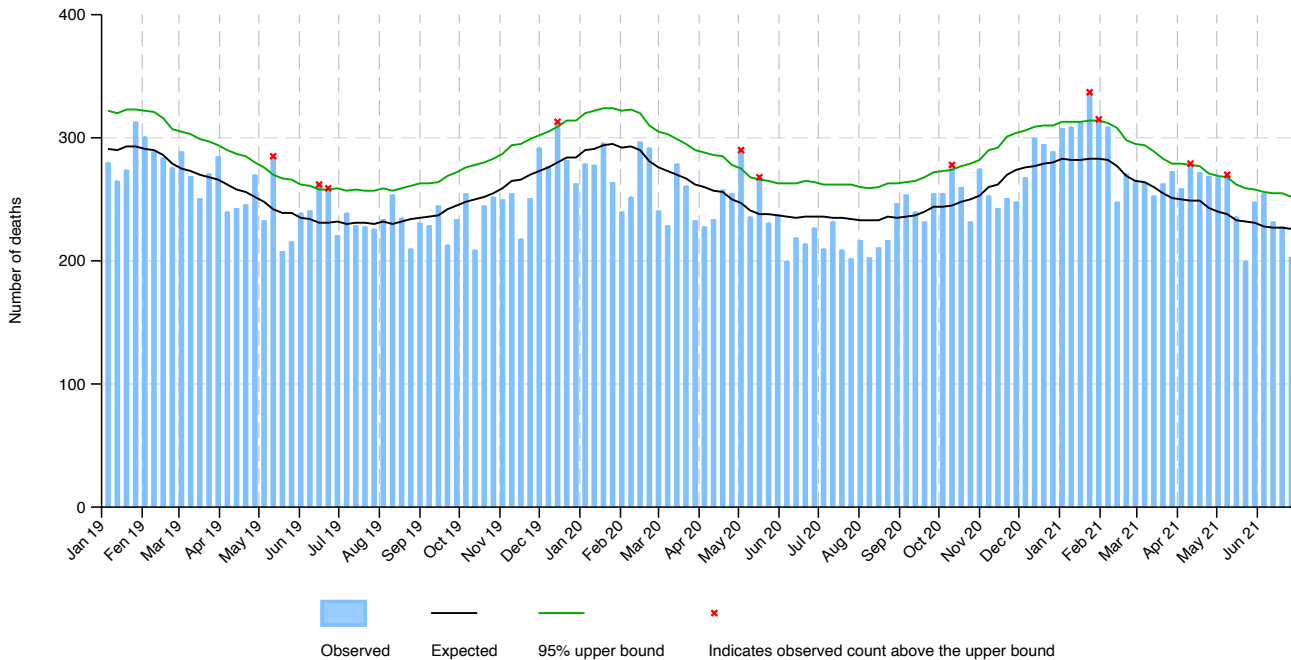


95% upper bound

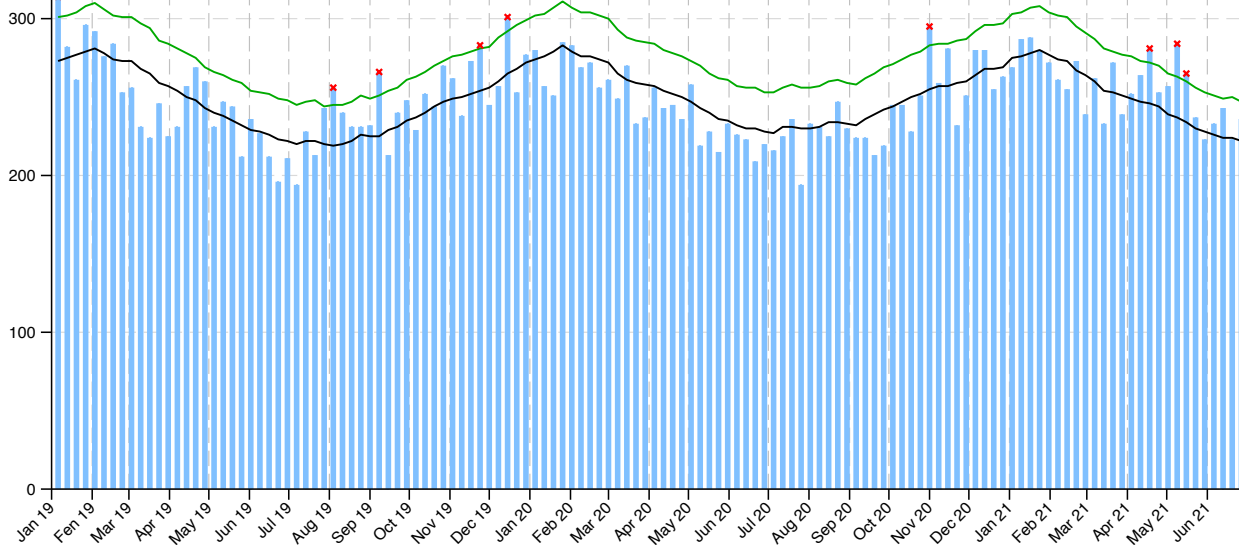


Indicates observed count above the upper bound





Number of deaths



Observed



Expected

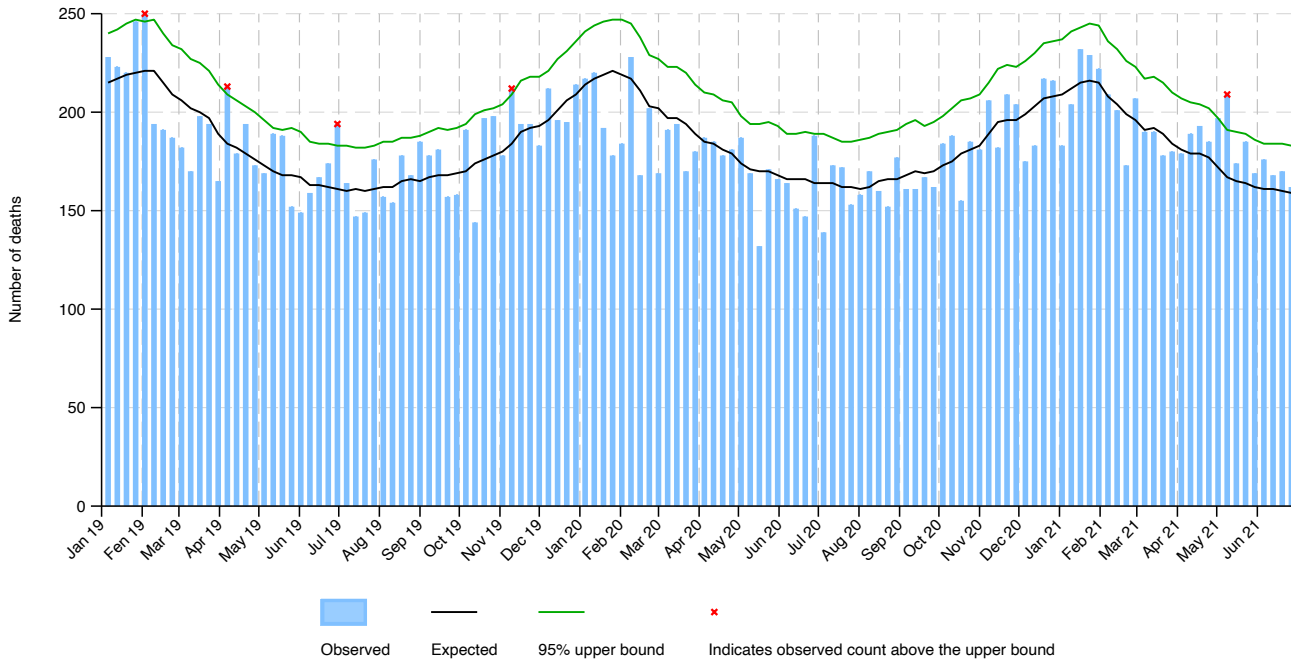


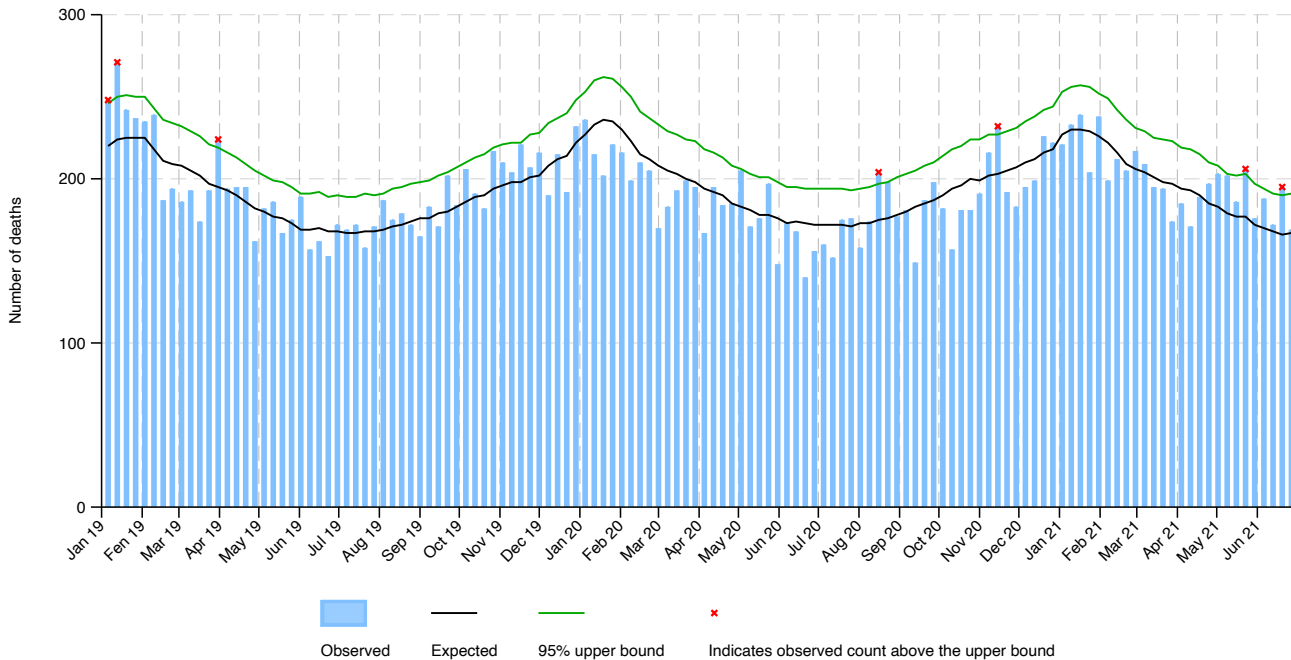
95% upper bound



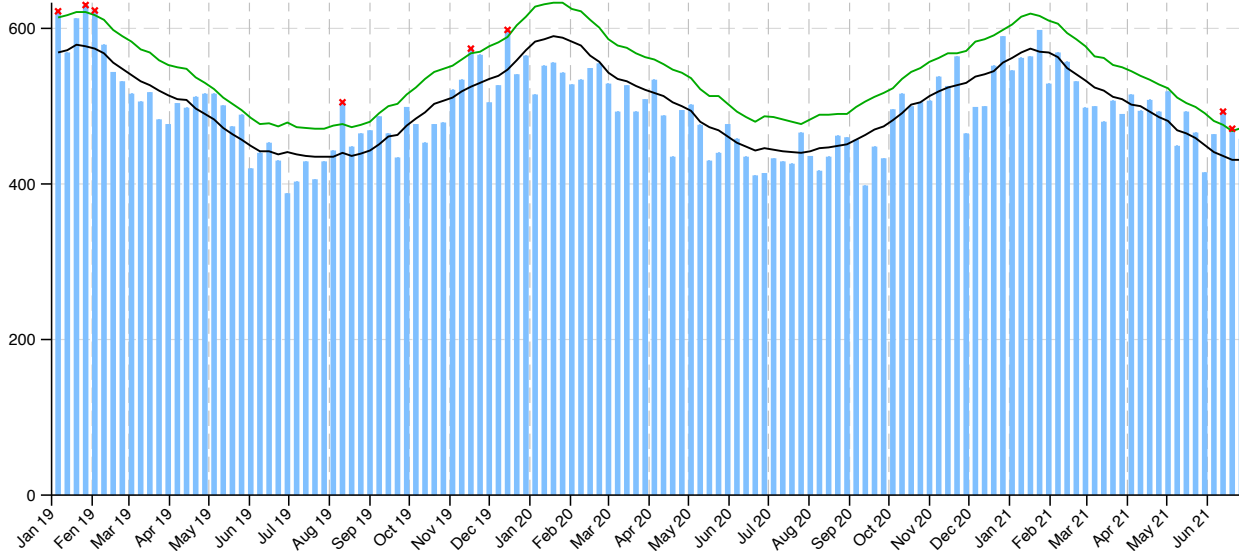
Indicates observed count above the upper bound







Number of deaths



Observed



Expected



95% upper bound



Indicates observed count above the upper bound

